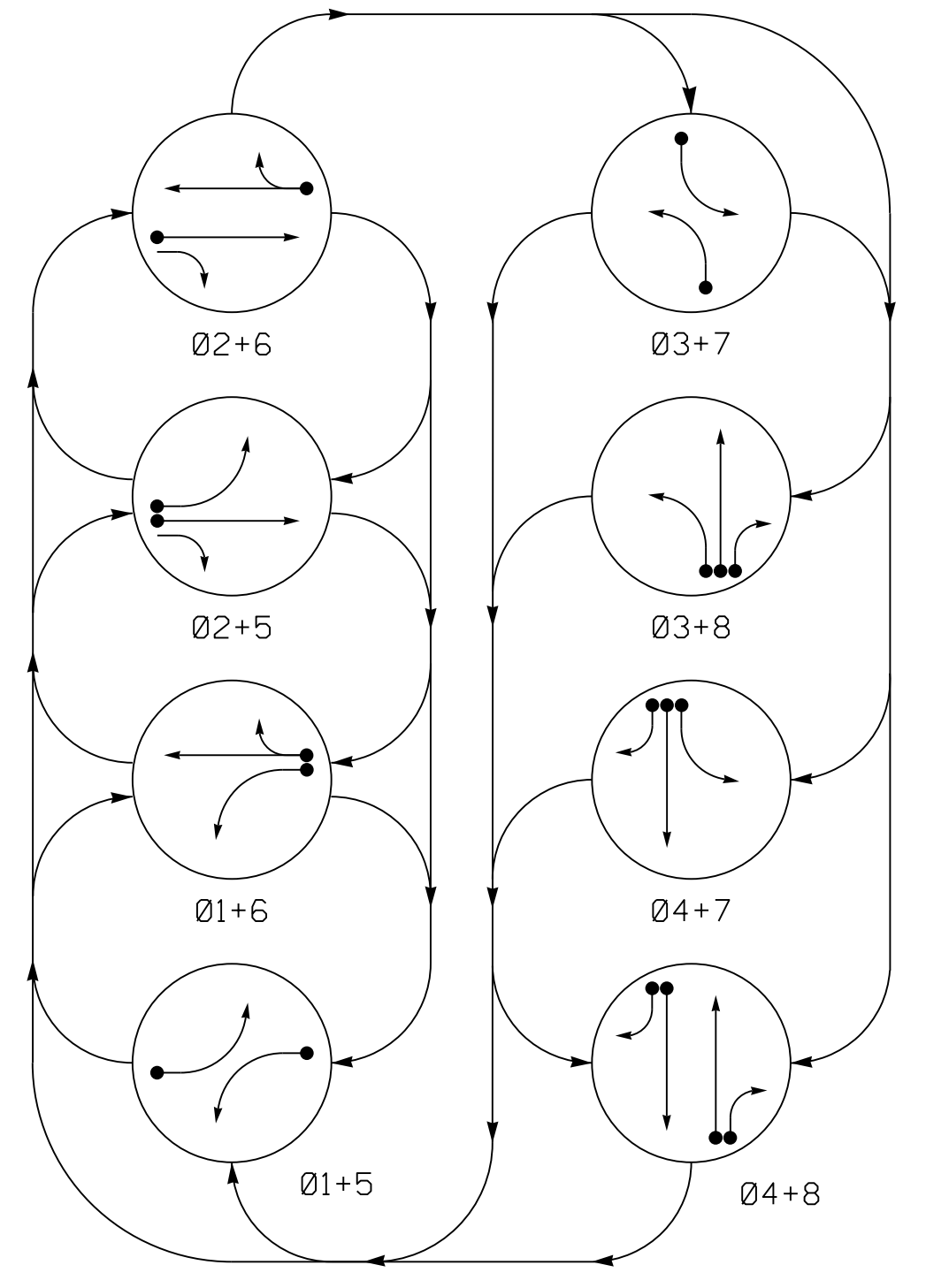
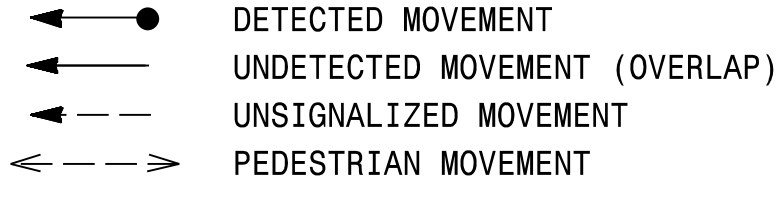


**PHASING DIAGRAM**



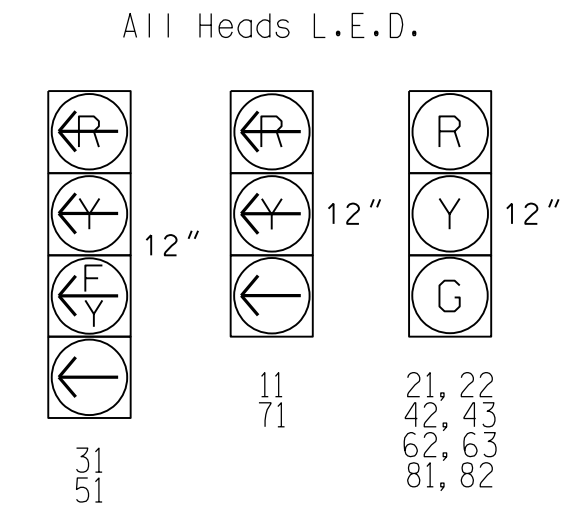
**PHASING DIAGRAM DETECTION LEGEND**



**TABLE OF OPERATION**

SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	03+7	03+8	04+7	04+8
11	←	←	→	→	←	←	→	→
21, 22	R	R	G	G	R	R	R	Y
31	→	→	←	←	→	→	←	←
42, 43	R	R	R	R	R	R	G	G
51	←	←	→	→	←	←	→	→
62, 63	R	G	R	G	R	R	R	Y
71	→	→	←	←	→	→	←	←
81, 82	R	R	R	R	R	G	R	G

**SIGNAL FACE I.D.**



**OASIS 2070 LOOP & DETECTOR INSTALLATION CHART**

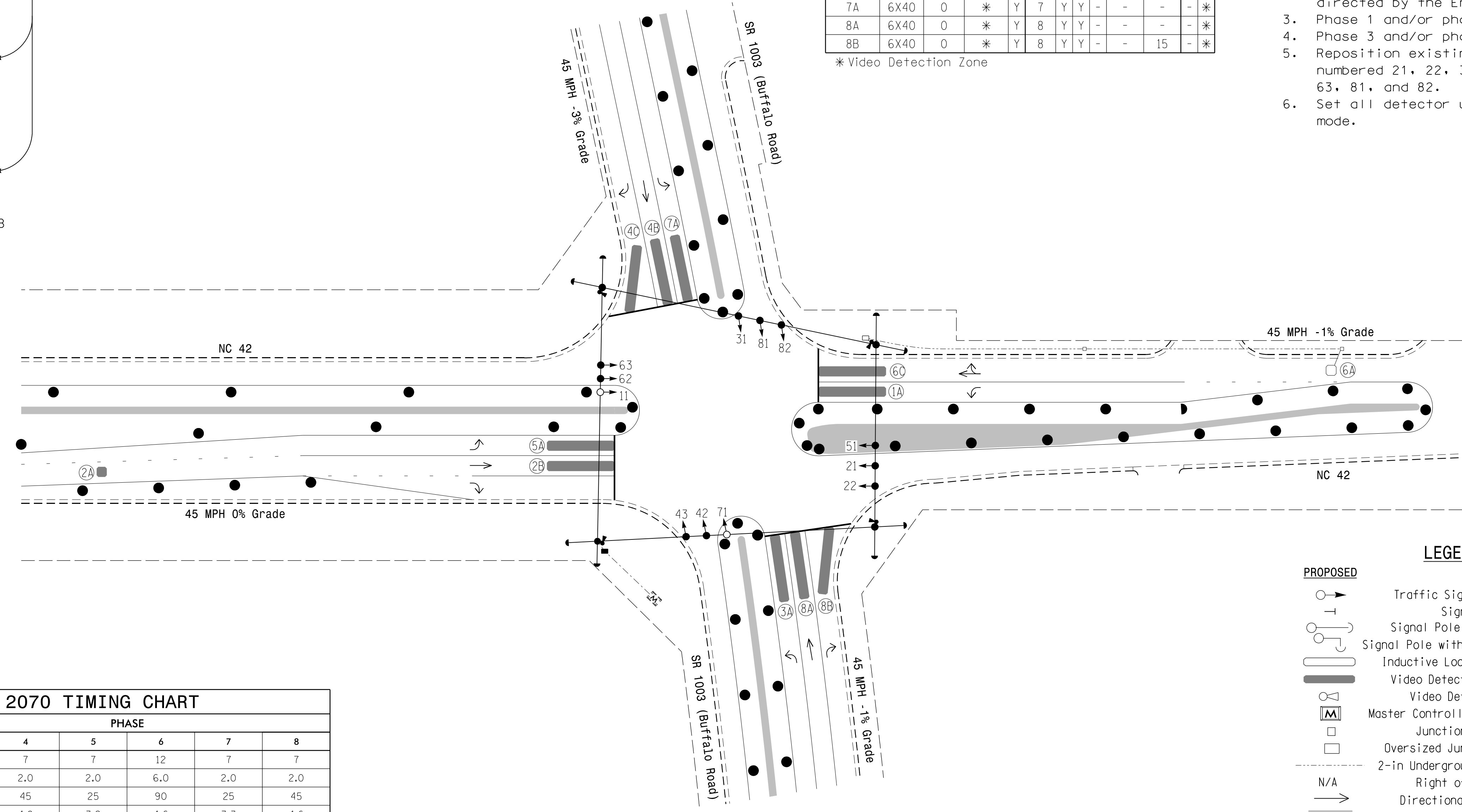
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	FULL TIME DELAY				
1A	6X40	0	*	Y	1	Y	Y	-	-	-	-	*
2A	6X6	300	*	Y	2	Y	Y	-	-	-	-	*
2B	6X40	0	*	Y	2	Y	Y	2.0	5	-	-	*
3A	6X40	0	*	Y	3	Y	Y	-	-	-	-	*
4B	6X40	0	*	Y	4	Y	Y	-	-	-	-	*
4C	6X40	0	*	Y	4	Y	Y	-	-	15	-	*
5A	6X40	0	*	Y	5	Y	Y	-	-	-	-	*
6A	6X6	300	6	Y	6	Y	Y	-	-	-	-	Y
6C	6X40	0	*	Y	6	Y	Y	2.0	5	-	-	*
7A	6X40	0	*	Y	7	Y	Y	-	-	-	-	*
8A	6X40	0	*	Y	8	Y	Y	-	-	-	-	*
8B	6X40	0	*	Y	8	Y	Y	-	-	15	-	*

\* Video Detection Zone

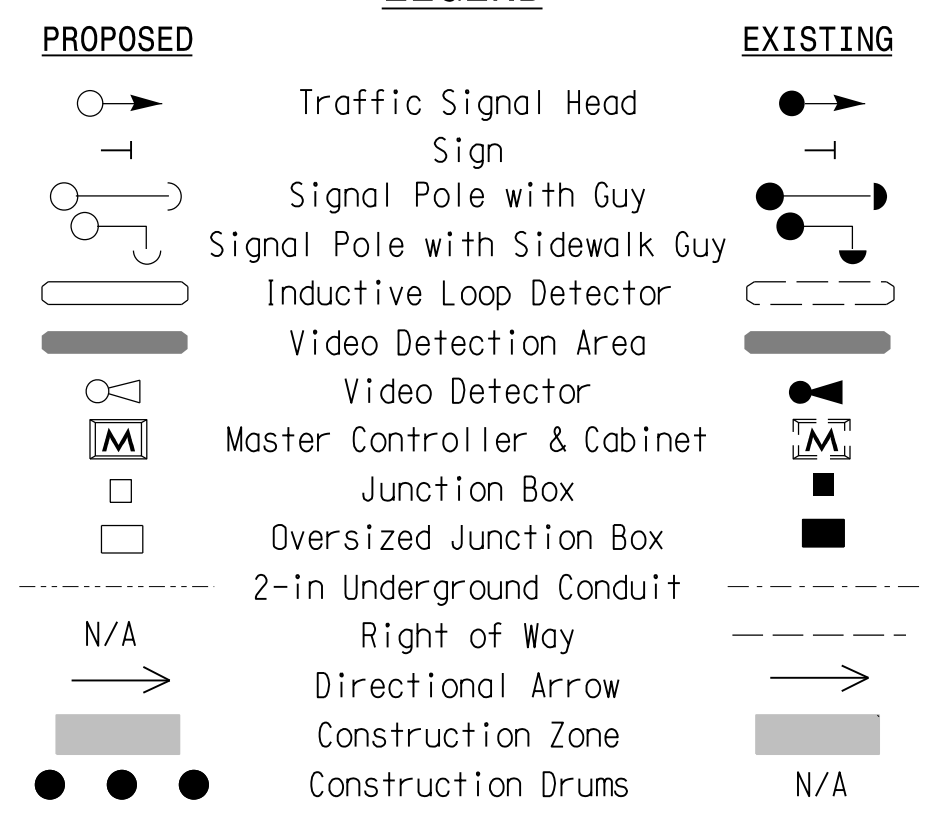
**8 Phase Fully Actuated Isolated**

**NOTES**

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018, "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
5. Reposition existing signal heads numbered 21, 22, 31, 42, 43, 51, 62, 63, 81, and 82.
6. Set all detector units to presence mode.



**LEGEND**



**OASIS 2070 TIMING CHART**

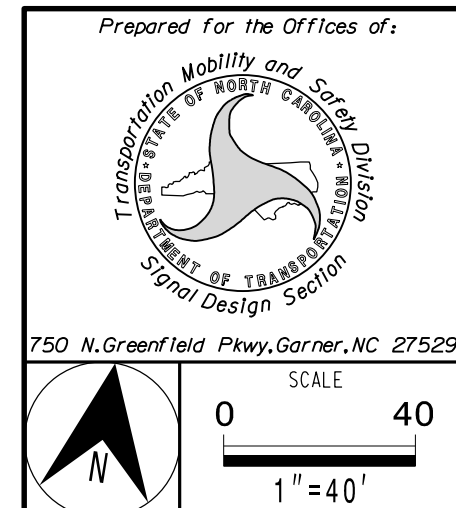
FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	12	7	7	7	12	7	7
Extension 1 *	2.0	6.0	2.0	2.0	2.0	6.0	2.0	2.0
Max Green 1 *	25	90	25	45	25	90	25	45
Yellow Clearance	3.2	4.5	3.2	4.8	3.2	4.6	3.3	4.6
Red Clearance	2.6	1.9	3.2	1.9	2.9	1.6	3.3	1.6
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-	-	-
Seconds Per Actuation *	-	-	-	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-	-	-	-
Time Before Reduction *	-	15	-	-	-	15	-	-
Time To Reduce *	-	30	-	-	-	30	-	-
Minimum Gap	-	3.0	-	-	-	3.0	-	-
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Vehicle Call Memory	-	-	-	-	-	-	-	-
Dual Entry	-	-	-	ON	-	-	-	ON
Simultaneous Gap	ON	ON	ON	ON	ON	ON	ON	ON

\* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

**Signal Upgrade - Temporary Design 2 (TMP Phase III)**

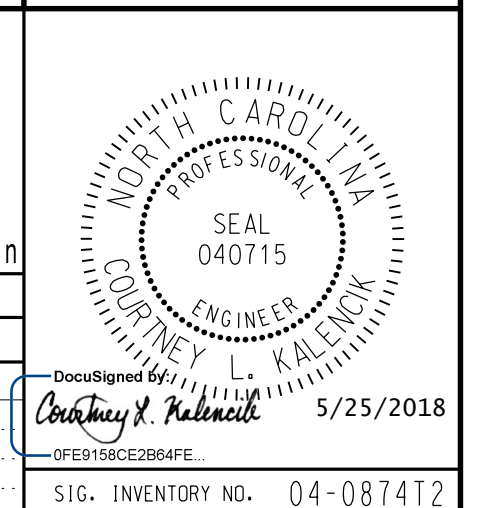


Prepared by  
**URS**  
URS Corporation - North Carolina  
1600 Perimeter Park Drive  
Morrisville, North Carolina 27560  
TELEPHONE (919) 461-1100 FAX (919) 461-1415  
NC LICENSE # C-2243



<b>NC 42 at SR 1003 (Buffalo Road)</b>	
Division 4	Johnston County
Clayton	
PLAN DATE: January 2018	REVIEWED BY: C. L. Kalencik
PREPARED BY: S. W. COX	REVIEWED BY:
REVISIONS	INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



5/25/2018 L:\Mort\151118\0081\4325B\Traffic\Signal\040715.dgn